date of December 30, 2002 of the copending application. Thus, it would seem any argument set forth by the Examiner with respect to anticipation or obviousness is inappropriate since the copending application is not "before" the invention of the present application. In any event, the claims of the present application do not recite features that are anticipated or rendered obvious by the claims of the copending application. Accordingly, reconsideration and withdrawal of this provisional rejection is respectfully requested.

For the Examiner's reference a copy of an Amendment filed on June 5, 2006 of the copending application is attached. As is clear from the attached Amendment filed in the copending application claims 1-17 were canceled and replaced by new claims 18-27. New claims 18-27 are directed to an address translator which provides address translation of communications being transmitted between first and second protocol networks wherein the address translation is specifically provided between a mobile terminal that moves between home and visited networks, and another terminal. According to claims 18-27 now pending in the copending application the address translator includes a processing unit for translating an address in a packet received from another terminal inside the second network from the second protocol to the first protocol based on translation information and determining the visited network address of the mobile terminal that uses the translated address as the home network address confirming to the first protocol.

Thus, the invention as set forth in claims 18-27 of the copending application is directed to features entirely different from that of the invention as set forth in the claims of the present application. The claims of the present

2

application particularly provides a detecting function for detecting a communication conforming to a particular protocol based on at least information on a destination and information on a port contained in a header of communication data. According to the present invention as recited in the claims when the translator detects a communication conforming to the particular protocol, the address translator creates translation information including a correspondence relation between addresses in addressing system P of a first network and addresses N and addressing system Q of a second network so as to translate an address described in a second region of the communication data. These features are clearly not anticipated nor rendered obvious by claims 18-27 of the copending application.

Therefore, based on the above, Applicants respectfully request the Examiner reconsider and withdraw the provisional double patenting rejection of claims 1-13, 15, 16 and 20-24 of the present application based on claims 1-7 of the copending application since such claims are no longer pending in the copending application.

In view of the foregoing, Applicants submit that the present application is now condition for allowance based on claims 1-13, 15, 16 and 20-24. Accordingly, early allowance of claims 1-13, 15, 16 and 20-24 is respectfully requested.

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To the extent necessary, the applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (500.41227X00).
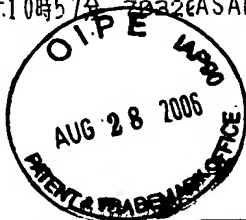
Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

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4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of	)
	)
TAKEDA et al.	) Art Unit 2152
	)
Application Number: 10/330,306	)
	) Examiner
Filed: December 30, 2002	) Lin, Kenny S.
	)
For: ADDRESS TRANSLATION EQUIPMENT, TERMINAL EQUIPMENT AND MOBILE COMMUNICATION METHOD	)
	)
	)
Attorney Docket No. ASAM.0073	)

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL RESPONSE TO RESTRICTION REQUIREMENT

Sir:

This is supplemental to the response filed on May 25, 2005. Applicants hereby cancel Claims 1-17 without prejudice or disclaimer, and submit new claims 18-27. Please consider the above-identified application as follows:

IN THE CLAIMS:

The claims are pending as follows:

1-17.   (Cancelled)

18.   (New) An address translator to connect a first network conforming to a first protocol, a second network conforming to a second protocol, and a mobile terminal in the first network, the mobile terminal having visited network address for using in a visited network and home network address for using in a home network. the address translator comprising:

a storage unit for storing a correspondence information between an visited network address conforming to the first protocol and an home network address conforming to the first protocol, and a translation information between the home network address conforming to the first protocol and a home network address conforming to the second protocol;

a processing unit for translating a address in a packet received from another terminal inside the second network from the second protocol to the first protocol based on the translation information and determining the visited network address of the mobile terminal that uses the translated address as the home network address conforming to the first protocol; and

a transmission unit for transmitting the received packet with the visited network address as a destination address to the mobile terminal.

19.   (New) The address translator according to claim 18, wherein

the processing unit makes the translation information using the correspondence information received from the mobile terminal via the transmission unit.

2

20.   (New) The address translator according to claim 18, wherein

the first protocol is IPv6; and

the second protocol is IPv4.

21.   (New) The address translator according to claim 18, wherein

the home network address is home address of Mobile IP; and

the visited network address is care-of address of Mobile T.

22.   (New) An address translation system, comprising:

a first terminal, a first SIP server and a first DNS server each connected to a first network conforming to a first protocol;

a second terminal, a second SIP server and a second DNS server each connected to a second network conforming to a second protocol; and

a server connected to the first network and the second network; wherein

the first SIP server comprises:

a transmission unit for receiving when the first terminal moves out from a network accommodated by the first SIP server, a correspondence information between an identifier of the first terminal and a domain name of a network to which the first terminal moves;

a storage unit for storing the correspondence information;

a control unit for judging whether the first terminal moves out from the network accommodated by the first SIP server or not when the first SIP server receives a request for connecting to the first terminal from the second terminal via the second SIP server and the server; and

a transmission unit for transmitting the correspondence information to the second SIP server via the server, in case the control unit judges the first terminal moves out from the network accommodated by the first SIP server;

the second SIP server comprises:

3

a transmission unit for receiving the request for connecting to the first terminal from the second terminal, sending a request for solving the destination address of the request for connecting to the first DNS server via the second DNS server, sending the request for connecting destined for the solved destination address to the first SIP server; wherein

upon receiving the correspondence information from the first SIP server, the second SIP server sends, to the first DNS server via the second DNS server, the request for solving the destination address with assigning the domain name of the network to which the first terminal moves obtained from the correspondence information, and sends again the request for connecting destined for the solved destination address to the first SIP server.

23.   (New) The address translation system according to claim 22, wherein

the first protocol is IPv6; and

the second protocol is IPv4.

24.   (New) The address translation system according to claim 22, wherein

the identifier of the first terminal is an identifier conforming to SIP protocol.

25   (New) The address translation system according to claim 22, wherein

the server is a home agent of .the first terminal conforming Mobile IP.

26.   (New) A SIP server connected to a first and a second terminals and another SIP server connected to the second terminal, comprising:

a transmission unit for receiving, from the first terminal, a correspondence information between an identifier of the first terminal and a domain name of a network to which the first terminal moves when the first terminal moves out from a network accommodated by the SIP server;

a storage unit for storing the correspondence information; wherein

4

the SIP server sends the correspondence information to the other SIP server when the SIP server receives a request for connecting to the first terminal from the second terminal via the other SIP server.

27.   (New) The SIP server according to claim 26, wherein

the identifier of the first terminal is an identifier conforming to SIP protocol.

REMARKS

This is supplemental to the response filed on May 25, 2005. The Examiner is respectfully requested to review the new claims 18-27, and to indicate the allowability of the claims.
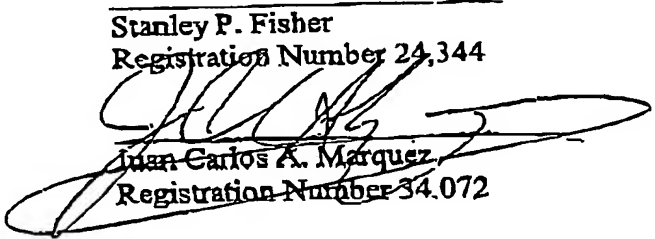
Claims 18-27 are under consideration in this application. Claims 1-17 are being cancelled without prejudice or disclaimer. Applicants hereby submit that no new matter is being introduced into the application through the submission of this response.

In conjunction with the previous response to the Examiner's restriction requirement, Applicants will submit that claims 18-27 are consistent with the elected Group I directed to address translation equipment, which had been elected without traverse. Thus, Applicants request that the Examiner proceed with continuing prosecution in this application, while the non-elected inventions remain withdrawn from further prosecution in this application. Applicants hereby reserve the right to file divisional applications on any or all of the non-elected inventions or claims.

Substantive consideration of the elected claims is respectfully solicited. Should there be any outstanding issues requiring discussion that would further the prosecution and allowance of the above-captioned application, the Examiner is invited to contact the Applicants' undersigned representative at the address and phone number indicated below.

Respectfully submitted,

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June 5, 2006

SPF/JCM/JT

6